

Abstract

Title: Classification of earth colours

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Abstract:

This bachelor thesis is dealing with the classification of earth colours origin based on its chemical composition. For classification is used K-means classificator, Bayes classificator and self made classification algorithms.

Part of this bachelor thesis is also public web service [<http://klasifikatorhlinek.somee.com>] that contains the classification algorithms.

Key words: classification, k-means, Bayess classificator, weight ratio